**PATENT** CR00-029

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Application Date Filed: Title:

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Applica Applica Date Fil Title:	tion No.:	Talin et al. 10/024164 18 December 2001 FED CATHODE ST METHOD OF FABR	Group Art Unit: 2879 Examiner: unknown RUCTURE USING ELECTROPHORETIC DEPOSITION AND ICATION		
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		INFORMATIO	N DISCLOSURE STATEMENT (IDS)		
	nt Commiss gton, D.C.	ioner For Patents 20231			
	n attached		5 and in compliance with 37 C.F.R. §§1.97 and 1.98, the references r subsequently identified herein, are being submitted herewith for Trademark Office.		
I.	c	aused it to be listed; and	U.S. and foreign patents; (ii) each publication or that portion which iii) all other information or that portion which caused it to be listed, is		
	b. ☐ A	included herewith.  Any patents, publications or other information which are listed on PTO/SB/08 which are not enclosed herewith were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. §120:			
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II.	a.	except as may be indicate aformation are in the Englaconcise explanation of the interest in the English langua	E RELEVANCE (check at least one box) I below in (b) of this section, all of the patents, publications or other sh language (concise explanation not required). e relevance of all patents, publications or other information listed that ge is as follows: formation is provided for the Examiner's consideration:		
III. 🗀	The Exam related to	the present application.	D APPLICATION(S) lowing co-pending application(s) contain(s) subject matter that may be By bringing this (these) applications to the Examiner's attention, confidentiality provisions of 35 U.S.C. §122.		

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## **FEES**

IV. 🖾	THIS III a. ☐ b. ☐ c. ☒ d. ☐	OS IS BEING FILED UNDER 37 C.F.R. §1.97(b): (check one box) within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. §1.97(b)(1)). No fee or statement is required. within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. §1.97(b)(2)). No fee or statement is required. before the mailing date of a first Office Action on the merits (37 C.F.R. §1.97(b)(3)). No fee or statement is required. before the mailing date of a first Office Action after the filing of a request for continued examination under § 1.114 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required.
v. 🗖	before t	DESTRIBETING FILED UNDER 37 C.F.R. §1.97(c): (check one box) the mailing date of any of a Final Office Action under 37 C.F.R. §1.113, a Notice of Allowance 7 C.F.R. §1.311, or an action that otherwise closes prosecution in the application (See 37 C.F.R. §).  No statement; therefore, charge deposit account 502117the fee set forth in 37 C.F.R. §1.17(p). See the statement below. No fee is required.
VI. 🗌		OS IS BEING FILED UNDER 37 C.F.R. §1.97(d): fore payment of the issue fee and is accompanied by the following: a statement under 37 C.F.R. §1.97(e) as provided below; and charge deposit account 502117 the petition fee set forth in §1.17(p).
VII. 🗖		MENT UNDER 37 C.F.R. §1.97(e) (check only one box, if applicable) ersigned hereby states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of IDS;
•	b. 🗌	or no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and to knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement, or
	c.	some of the items of information contained in the IDS were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.
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		If Applicant has overlooked any additional fees, or if any overpayment has been made, the Commissioner is hereby authorized to credit or debit Deposit Account 502117.  Two Copies of this paper are attached for Deposit Account charges and debits.

The above references are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in a combination, to a person of ordinary skill in the art.

## PATENT CR00-029

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 502117

Respectfully submitted,

Talin et al.

MOTOROLA, INC. Customer Number 23330 William E. Koch Attorney for Applicant(s) Reg. No. 29,659

Tel. 602-952-3486

Enclosures:

PTO/SB/08
References

Foreign Search Report

Other:

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5		rm 1449A/PTO				Complete if Known	
5/					Application Number	10/024164	
7	/ INFORMATION DISCLOSURE				Filing Date	18 December 2001	
	STATEMENT BY APPLICANT				First Named Inventor	Talin et al.	<u> </u>
					Group Art Unit	2879	
	(use as many she	ets as necessary)		_	Examiner Name		
	Sheet	1	of	4	Attorney Docket Number	CR00-29	

	U. S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.	U.S. Patent Document  Number Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
	1	5872422	Xu et al.	2/16/99					
	2	5773921	Keesmann et al.	6/30/98					
	3	6514113 B1	Lee et al.	2/4/03					
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)
Sheet 2

Complete if Known					
Application Number 10/024164					
Filing Date	18 December 2001				
First Named Inventor	Talin et al.				
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Examiner Name					
Attorney Docket Number	CR00-029				

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	4	Xu et al., "A method for fabricating large-area, patterned, carbon nanotube field emitters," Applied Physics Letters, Vol. 74, No. 17, 26 April 1999, pp. 2549-2551.	
	5	Fan et al., "Self-oriented regular arrays of carbon nanotubes and their field emission properties," Science, Vol. 283, 22 January 1999, pp. 512-514.	
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Signature	Considered	

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English Language Translation is attached.

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STATEMENT BY APPLICANT				First Named Inventor	Talin et al.		
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Sheet	3	Of	4	Attorney Docket Number	CR00-029		

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	15	Nilsson et al., "Scanning field emission from patterned carbon nanotube films." Applied Physics Letters, Vol. 76. No. 15, 10 April 2000, pp. 2071-2073.	
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Signature	l c	Considered	

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English Language Translation is attached.

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	26	Li et al. "Large-scale synthesis of aligned carbon nanotubes," Science, Vol. 274, 6 December 1996, pp. 1701-1703	. ;
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